

IN THE CLAIMS

This is a complete and current listing of the claims, marked with status identifiers in parentheses. The following listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently Amended) A method of carrying out quality control for an analysis process, ~~which belongs to a group of related analysis processes that can be carried out in at least one analyzer and respectively comprise~~ including a chain of sub-processes, ~~containing the following features~~ the method comprising:

- storing at least one of fundamental chemical and/or physical basic sub-processes for the group ~~are stored in a first database;~~
- representing at least a part of the chain of the analysis process ~~is represented~~ by specifying one of the basic sub-processes, per sub-processes of the part of the chain, using at least one control parameter and at least one associated threshold value;
- determining measurement values of the control parameters ~~are determined~~ for at least one run of the

analysis process,—; and

comparing the measurement values are compared with the associated threshold values for the quality control.

2. (Currently Amended) The method as claimed in claim 1, ~~characterized in that~~wherein the analysis processes ~~comprise~~ includes at least one of chemical and/or biochemical analysis processes.

3. (Currently Amended) The method as claimed in claim 1 ~~or 2, characterized in that~~wherein at least one of the basic processes is used repeatedly for the representation.

4. (Currently Amended) The method as claimed in ~~one of claims 1 to 3, characterized in that~~claim 1, wherein the part of the chain contains only the quality-relevant sub-processes.

5. (Currently Amended) The method as claimed in claim 1, wherein in one of claims 1 to 4, characterized in that the representation is aided by a correspondingly designed graphical user interface.

6. (Currently Amended) The method as claimed in claim 5, ~~characterized in that~~wherein the graphical user interface aids

the representation by at least one of drag-and-drop techniques, drop-down lists and/or checking list elements with a mouse click.

7. (Currently Amended) The method as claimed in claim 1,  
wherein in one of claims 1 to 6, characterized in that the represented part of the chain is stored with the control parameters and threshold values in a second database.

8. (Currently Amended) The method as claimed in claim 1,  
wherein in one of claims 1 to 7, characterized in that associated measurement values lying above or below the threshold values are evaluated during the comparison.

9. (Currently Amended) The method as claimed in claim 1,  
wherein in one of claims 1 to 8, characterized in that a run of the analysis process is terminated if one of the measurement values violates a predetermined relation with respect to the associated threshold value during the comparison.

10. (Currently Amended) The method as claimed in claim 1,  
wherein at least one of in one of claims 1 to 9, characterized in that the measurement values and/or the results of the comparison are stored.

11. (Currently Amended) The method as claimed in claim 10,  
~~characterized in that wherein~~ a reference of a run of at least  
one of the analysis process and/or a reference of at least a  
part of the analyzer is also stored.

12. (Currently Amended) The method as claimed in claim 1,  
~~wherein at least one of in one of claims 1 to 11, characterized~~  
~~in that~~ the measurement values and/or the results of the  
comparison for a plurality of runs of the analysis process are  
at least one of stored and/or statistically evaluated.

13. (Currently Amended) The method as claimed in claim 1,  
~~wherein at least one of in one of claims 1 to 12,~~  
~~characterized in that~~ the measurement values and/or the  
results of the comparison are stored in a third database.

14. (Currently Amended) The method as claimed in claim 1,  
~~wherein at least one of in one of claims 1 to 13,~~  
~~characterized in that~~ the measurement values and/or the  
results of the comparison are used to at least one of assist  
maintenance of ~~the~~an analyzer for carrying out the analysis  
process and/or to provide feedback about a manufacturing  
processes of at least parts of the analyzer.

15. (Currently Amended) A device for carrying out the method as claimed in claim 1, in one of claims 1 to 14, characterized in that the device comprises comprising the an analyzer for carrying out the analysis process.

16. (Currently Amended) The device as claimed in claim 15, characterized in thatwherein the device comprises includes a computer workstation.

17. (Currently Amended) The device as claimed in claim 16, characterized in thatwherein the computer workstation can be connected is connectable to the analyzer.

18. (Currently Amended) The device as claimed in claim 17, characterized in thatwherein the analyzer and the computer workstation can be connected are connectable together via an electrically engineered data connection, especially the Internet.

19. (Currently Amended) The device as claimed in one of claims 16 to 18, characterized in thatclaim 16, wherein the a first database can be is stored in the computer workstation.

20. (Currently Amended) The device as claimed in ~~one of~~  
~~claims 16 to 19, characterized in that~~claim 16, wherein the  
computer workstation is designed for at least one of  
representing the part of the chain and/or for the statistical  
evaluation.

21. (Currently Amended) The device as claimed in ~~one of~~  
~~claims 15 to 20, characterized in that~~claim 20, wherein at  
least one of ~~the~~a second database and/or at least parts of  
the third database ~~can be~~are stored in the analyzer.

22. (Currently Amended) The device as claimed in ~~one of~~  
~~claims 15 to 21, characterized in that~~claim 15, wherein the  
analyzer is designed for determining the measurement values.

23. (Currently Amended) The device as claimed in ~~one of~~  
~~claims 15 to 22, characterized in that~~claim 15, wherein the  
analyzer ~~comprises~~includes a base unit and subunits,  
~~especially disposable sensors, which can be put,~~attachable  
into the base unit.

24. (Currently Amended) The device as claimed in claim 23,  
~~characterized in that~~wherein the subunits are provided with an

electronic memory chip.

25. (Currently Amended) The device as claimed in ~~one of~~  
~~claims 23 and 24, characterized in that~~ claim 24, wherein  
at least one of a second database and/or at least parts of the  
third database ~~can be~~ are stored in the subunits.

26. (Currently Amended) The device as claimed in ~~one of~~  
~~claims 23 to 25, characterized in that~~ claim 25, wherein a  
reference of the respective subunit ~~can also be~~ is stored in  
the third database.

27. (Currently Amended) The device as claimed in ~~one of~~  
~~claims 15 to 26, characterized in that~~ claim 15, wherein the  
analyzer is intended for analyzing at least one substance in a  
bodily fluid of a living being.

28. (New) The device as claimed in claim 18, wherein the  
analyzer and the computer workstation are connectable together  
via the Internet.

29. (New) The device as claimed in claim 15, wherein the  
analyzer includes a base unit and disposable, attachable into  
the base unit.

30. (New) A device for performing an analysis process including a chain of sub-processes, the device comprising:

means for storing at least one of fundamental chemical and physical basic sub-processes for the group in a first database;

means for representing at least a part of the chain of the analysis process by specifying one of the basic sub-processes, per sub-processes of the part of the chain, using at least one control parameter and at least one associated threshold value;

means for determining measurement values of the control parameters for at least one run of the analysis process; and

means for comparing the measurement values with the associated threshold values for the quality control.

31. (New) A device as claimed in claim 30, wherein the device includes an analyzer.

32. (New) The device as claimed in claim 31, wherein the device includes a computer workstation.

33. (New) The device as claimed in claim 32, wherein the

computer workstation is connectable to the analyzer.

34. (New) The device as claimed in claim 33, wherein the analyzer and the computer workstation are connectable together via an electrically engineered data connection.